

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Applicant: WALTER Magnus Wilhelm      Group Art Unit: 1626

Serial No.: 10/524650      Examiner:  
Rebecca L. Anderson

Application Date: August 18, 2003      Conf No.: 8466

US Nat'l Entry

Date (if applicable): February 17, 2005

For: 2-(PHENOXYMETHYL)- AND 2- (PHENYLTHIOMETHYL)-  
MORPHOLINE DERIVATIVES FOR USE AS SELECTIVE  
NOREPINEPHRINE REUPTAKE INHIBITORS

Docket No.: X15172

**REPLY UNDER 37 C.F.R. 1.111 & AMENDMENT UNDER 37 C.F.R. 1.121**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**Introductory Comments**

In response to the Office Action dated August 31, 2007, please amend this application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 4 of this paper.

Remarks/Arguments begin on page 7 of this paper.

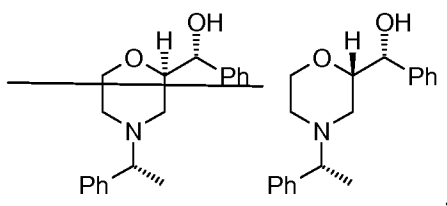
**Amendments to the Specification**

At page 5, line 28 please replace the current paragraph with the following replacement paragraph:

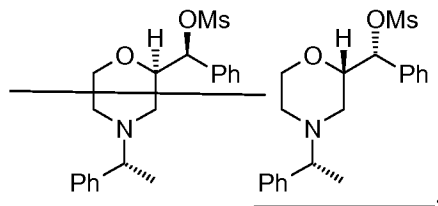
“A [[C]]compound[[s]] of the present invention formula (IV) as described below may be prepared by reacting a compound of formula (III):”

At page 9, please amend Scheme 5 as follows “32a,32[[4]]b:”

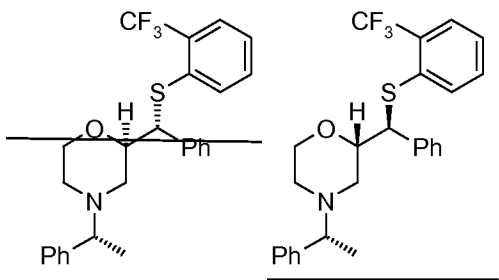
At page 29, line 2, please replace the current paragraph with the following replacement paragraph:



At page 29, line 18, please replace the current paragraph with the following replacement paragraph:



At page 30, line 7, please replace the current paragraph with the following replacement paragraph:



At page 33, line 11, please replace the current paragraph with the following replacement paragraph:

**“(2*S*)-2-((*S*)-Phenyl{[2-(~~trifluoromethyl~~methylthio)phenyl]thio}methyl)morpholine (11)”**

At page 52, please replace the paragraph beginning at line 7 with the following paragraph:

“Compounds **36a,36b** were obtained from **7a,7b** (0.45 g, 1.17 mmol), cesium carbonate (0.42 g, 1.29 mmol, 1.1 eq), and 2-methoxy-thiophenol (0.82 g, 5.87 mmol) following a modification of **General Procedure 1** in which the reaction mixture was heated to 95°C for 2 hours and then stirred at room temperature for 18 hours. After purification by flash column chromatography (eluent: heptane/ethyl acetate 80/20 [v/v]) ~~18,18b~~ **36a,36b** was obtained as a colourless oil (0.36 g, 72%%); MW 423.55; C<sub>25</sub>H<sub>26</sub>FNOS; <sup>1</sup>H NMR (CDCl<sub>3</sub>): 6.65-7.5 (13H, m), 4.9 (1H, d, 7 Hz), 3.9-4.05 (2H, m), 3.8 (3H, s), 3.6 (1H, dt, 8 Hz and 1 Hz), 3.45 (1H, d, 13 Hz), 3.15 (1H, d, 13 Hz), 2.60 (2H, t, 8 Hz), 2.05-2.2 (2H, m); FIA: *m/z* 424 [M+H]<sup>+</sup>.”